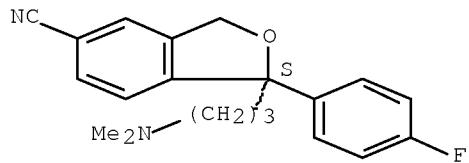


E ESCITALOPRAM/CN

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 128196-01-0 REGISTRY
ED Entered STN: 13 Jul 1990
CN 5-Isobenzofurancarbonitrile, 1-[3-(dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-, (1S)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5-Isobenzofurancarbonitrile, 1-[3-(dimethylamino)propyl]-1-(4-fluorophenyl)-1,3-dihydro-, (S)-
OTHER NAMES:
CN (+)-(S)-1-(3-(Dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile
CN (+)-Citalopram
CN (S)-Citalopram
CN Escitalopram
CN S-(+)-Citalopram
CN Seroplex
FS STEREOSEARCH
MF C20 H21 F N2 O
CI COM
SR CA
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO,
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, EMBASE, IMSDRUGNEWS,
IMSPATENTS, IMSPRODUCT, IMSRESEARCH, IPA, MEDLINE, MRCK*,
PATDPASPC,
PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2,
USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



SET EXPAND CONTINUOUS
L1 1 S E3
E PIPAMPERONE/CN

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 1893-33-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN [1,4'-Bipiperidine]-4'-carboxamide, 1'-(4-(4-fluorophenyl)-4-oxobutyl)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN [1,4'-Bipiperidine]-4'-carboxamide, 1'-(3-(p-fluorobenzoyl)propyl)- (7CI,

8CI)

OTHER NAMES:

CN 1'-(3-(p-Fluorobenzoyl)propyl)[1,4'-bipiperidine]-4'-carboxamide

CN 1-(p-Fluorophenyl)-4-(4-piperidino-4-carbamoylpiperidino)-1-butanone

CN 4'-Fluoro-4-[4-N-piperidino-4-carbamidopiperidino]butyrophphenone

CN 4'-Fluoro-4-{N-[4-(N-piperidino)-4-carbamido]piperidino}butyrophphenone

CN Dipiperal

CN Dipiperon

CN Dipiperone

CN Floropipamide

CN McN-JR 3345

CN Pipamperone

CN R 3345

MF C21 H30 F N3 O2

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,

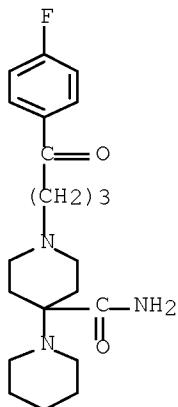
BIOTECHNO, CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE,

IPA, MEDLINE, MRCK*, PS, RTECS*, SPECINFO, TOXCENTER, USAN, USPATFULL,

USPATOLD

(*File contains numerically searchable property data)

Other Sources: WHO



L2 1 S E15

FILE 'HCAPLUS' ENTERED AT 11:24:41 ON 30 MAR 2010

L3 6 S L1 AND L2

L4 751 S L1

L5 375 S L4 AND SEROTONIN?

L6 77 S L2 AND SEROTONIN?

L7 4 S L6 AND (2A OR 2C)

L8 1 S L1 AND (SEROTONIN ANTAGONIST?)

L9 370 S L1 AND SEROTONIN

L10 68 S L9 AND ANTAGONIST?
 L11 24 S L9 AND (5-HT2A OR 5-HT2C)
 L12 9 S L11 AND (PY<=2003 OR AY<=2003 OR PRY<=2003)

L12 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
 TI The combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist
 AB The present invention relates to the use of compds. and compns. of compds. having serotonin reuptake inhibiting activity and 5-HT2C antagonistic, partial agonistic or inverse agonistic activity for the treatment of depression and other affective disorders. The combined serotonin reuptake inhibiting effect and the 5-HT2C antagonistic, partial agonistic or inverse agonistic effect may reside within the same chemical compound or in two different chemical compds. E.g., simultaneous administration of 10 µmol/kg citalopram with 1 µmol/kg RS 102221 or Lu 27121 showed significant enhancement of the effect of citalopram in rats.

ACCESSION NUMBER: 2001:434808 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:41033
 TITLE: The combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist
 INVENTOR(S): Cremers, Thomas Ivo Franciscus Hubert;
 Wikstroem,
 Fokko Hakan Wilhelm; Den Boer, Johan Antonie; Bosker,
 Bogeso, Jan; Westerink, Bernard Hendrik Cornelis;
 PATENT ASSIGNEE(S): Klaus Peter; Hogg, Sandra; Mork, Arne
 H. Lundbeck A/s, Den.
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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 CA 2393470 A1 20010614 CA 2000-2393470
 20001206 <--
 AU 2001018511 A 20010618 AU 2001-18511
 20001206 <--
 US 20020103249 A1 20020801 US 2000-731411
 20001206 <--
 EP 1237553 A2 20020911 EP 2000-981174
 20001206 <--
 EP 1237553 B1 20060104
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 TR 200201512 T2 20020923 TR 2002-1512
 20001206 <--
 BR 2000016385 A 20030218 BR 2000-16385
 20001206 <--
 HU 2002003586 A2 20030328 HU 2002-3586
 20001206 <--
 HU 2002003586 A3 20050228
 JP 2003516326 T 20030513 JP 2001-542871
 20001206 <--
 CN 1433313 A 20030730 CN 2000-818827
 20001206 <--
 EP 1396267 A2 20040310 EP 2003-27672
 20001206 <--
 EP 1396267 A3 20040421
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 20001206 <--
 PT 1237553 E 20060531 PT 2000-981174
 20001206 <--
 ES 2255519 T3 20060701 ES 2000-981174
 20001206 <--
 EP 1782813 A1 20070509 EP 2007-103057
 20001206 <--
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 20001206 <--
 NZ 545907 A 20070727 NZ 2000-545907
 20001206 <--
 EP 2036564 A1 20090318 EP 2008-21043
 20001206 <--
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MX 2002005613	A	20021213	MX 2002-5613	
20020606 <--				
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KR 832026	B1	20080523	KR 2002-707231	
20020607 <--				
BG 106895	A	20030430	BG 2002-106895	
20020702 <--				
AU 2006200878	A1	20060323	AU 2006-200878	
20060301 <--				
US 20070105843	A1	20070510	US 2006-539100	
20061005 <--				
US 20090176808	A1	20090709	US 2009-406226	
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19991206 <--			AU 2001-18511	A3
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20060301			US 2006-539100	A3
20061005				
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
IC	ICM A61K			
CC	1-11 (Pharmacology)			
	Section cross-reference(s): 63			
ST	serotonin reuptake inhibitor 5HT2c antagonist combination			
IT	5-HT antagonists (5-HT2C; combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist)			
IT	5-HT receptors RL: BSU (Biological study, unclassified); BIOL (Biological study) (5-HT2C; combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist)			
IT	Antidepressants Anxiolytics Psychotropics (combination of a serotonin reuptake inhibitor and a			

5-HT2C antagonist, inverse agonist or partial agonist)

IT 54910-89-3, Fluoxetine 59729-33-8, Citalopram 74050-98-9,
Ketanserin
141307-07-5, Lu 29066 143938-45-8, Lu 27121 185376-97-0, RS
102221

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Uses)
(combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist)

IT 50-49-7, Imipramine 303-49-1, Clomipramine 24219-97-4,
Mianserine
54739-18-3, Fluvoxamine 59859-58-4, Femoxetine 61869-08-7,
Paroxetine
79617-96-2, Sertraline 83366-66-9, Nefazodone 85650-52-8,
Mirtazapine
87051-43-2, Ritanserin 93413-69-5, Venlafaxine 106516-24-9,
Sertindole
119356-77-3, Dapoxetine 120444-71-5, Deramciclane 128196-01-0
, Escitalopram 158942-04-2, SB 206553 161178-10-5, YM 35992
181632-25-7, SB 242084 200940-22-3, SB 243213 210821-63-9, Org
12962
344454-50-8, SB 228356 344454-51-9, Ro 60-0795 344454-52-0, Org
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344454-70-2, EGIS 8465

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist)

IT 50-67-9, Serotonin, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(reuptake inhibitor; combination of a serotonin reuptake inhibitor and a 5-HT2C antagonist, inverse agonist or partial agonist)